

**Amendments to the Claims**

This listing of claims, if entered, will replace all prior versions and listings of claims in the above-identified application.

**Listing of Claims**

1.     **(Currently Amended)** A computer-implemented method comprising:  
synchronizing existing target inventory location information with source inventory  
location information, wherein  
the existing target inventory location information is stored in a target inventory  
location record at a target system,  
the source inventory location information is stored at a plurality of source  
systems,  
the plurality of source systems are ones of a plurality of computer systems,  
the target system is another of the plurality of computer systems, and  
the synchronizing comprises  
    extracting the source inventory location information from a plurality of  
    source inventory location records, wherein  
    at least one of the plurality of source inventory location records is  
    extracted from a first source system,  
    at least one of the plurality of source inventory location records is  
    extracted from a second source system,  
the source inventory location information from each of the  
plurality of source inventory location records is in one of a  
plurality of source formats, and  
each one of the plurality of source formats corresponds to at least  
one of the plurality of source systems,

generating intermediate source inventory location information by  
converting the source inventory location information into an  
intermediate format, wherein  
the converting the source inventory location information into the  
intermediate format comprises  
determining whether an intermediate record exists,  
wherein  
the intermediate record is associated with the  
source inventory location information,  
if the intermediate record exists, accessing a common  
object, wherein  
the common object is associated with the  
intermediate record, **and**  
if the intermediate record does not exist, creating the  
intermediate record and the common object, and  
**mapping the source inventory location information to**  
**the common object, and**  
**after the converting,** the common object comprises the  
intermediate source inventory location information, **and**  
converting the intermediate source inventory location information into  
target inventory location information, wherein  
the target inventory location information is in a target format, and  
the target format corresponds to the target system, **and**  
**updating the target inventory location record using the target**  
**inventory location information.**

2. (Previously Presented) The method of Claim 1, further comprising:  
using the target inventory location information in the target format to  
create a target inventory location record in the target system if the target  
inventory location record does not exist.

3. (Previously Presented) The method of Claim 1, further comprising:  
extracting inventory location information in a second source format that is  
associated with a second source system that is distinct from the first  
source system, wherein  
the second source system is one of the plurality of source systems;  
converting the inventory location information in the second source format into  
inventory location information that is in the intermediate format;  
converting the inventory location information in the intermediate format into  
inventory location information in the target format; and  
using the inventory location information in the target format to perform at least  
one computer-implemented act from a set of computer-implemented acts  
comprising:  
creating a new inventory location record in the target computerized  
inventory management system; and  
updating an existing inventory location record in the target computerized  
inventory management system.
4. (Previously Presented) The method of Claim 1, wherein  
from the at least one of the plurality of source inventory location records from the first  
source system, the extracting extracts less than all first source system inventory  
location information, and  
from the at least one of the plurality of source inventory location records from the second  
source system, the extracting extracts less than all second source system inventory  
location information.
5. (Previously Presented) The method of Claim 1, wherein  
the intermediate format comprises a list of inventory locations class with a  
hierarchy of data elements,  
the hierarchy of data elements comprises a plurality of inventory location  
elements, and

- each of the plurality of inventory location elements comprises:
- an identifier for identifying the inventory location element,
  - a base data element for defining:
    - a location description,
    - a location name, and
    - a location type code ,
  - a list of addresses element for defining a plurality of address elements from a party class,
  - a list of related business units elements for defining a plurality of business units associated with the inventory, and wherein each of the plurality of business units associated with the inventory comprises an identifier element,
  - a list of related inventory locations for defining a plurality of related inventory locations, and
  - a custom data element for defining customized attributes for the inventory.
6. (Previously Presented) The method of Claim 5, wherein each of the plurality of address elements comprises:
- an address identifier element;
  - an address base data element, wherein
    - the address data cleansing data element comprises a disable cleansing flag element;
  - an address data cleansing data element;
  - an address relationship data element; and
  - an address custom data element.
7. (Previously Presented) The method of Claim 6, wherein the address relationship data element comprises:
- an address effective end date element;
  - an address occupancy type code element;
  - an address effective start date element;
  - an address type code element; and
  - an address list of roles element.

8. (Previously Presented) The method of Claim 5, wherein each of the plurality of related inventory locations comprises a related inventory location identifier element and a related inventory location type code element.

9. **(Currently Amended)** A non-transitory computer-readable storage medium storing one or more sequences of instructions for managing inventory, wherein execution of the one or more sequences of instructions by one or more processors causes the one or more processors to perform:

synchronizing existing target inventory location information with source inventory

location information, wherein

the existing target inventory location information is stored in a target inventory

location record at a target system,

the source inventory location information is stored at a plurality of source

systems,

the plurality of source systems are ones of a plurality of computer systems,

the target system is another of the plurality of computer systems, and

the synchronizing comprises

extracting the source inventory location information from a plurality of

source inventory location records, wherein

at least one of the plurality of source inventory location records is

extracted from a first source system,

at least one of the plurality of source inventory location records is

extracted from a second source system,

the source inventory location information from each of the

plurality of source inventory location records is in one of a

plurality of source formats, and

each one of the plurality of source formats corresponds to at least

one of the plurality of source systems,

generating intermediate source inventory location information by  
converting the source inventory location information into an  
intermediate format, wherein  
the converting the source inventory location information into the  
intermediate format comprises  
determining whether an intermediate record exists,  
wherein  
the intermediate record is associated with the  
source inventory location information,  
if the intermediate record exists, accessing a common  
object, wherein  
the common object is associated with the  
intermediate record, **and**  
if the intermediate record does not exist, creating the  
intermediate record and the common object, and  
**mapping the source inventory location information to**  
**the common object, and**  
**after the converting,** the common object comprises the  
intermediate source inventory location information, **and**  
converting the intermediate source inventory location information into  
target inventory location information, wherein  
the target inventory location information is in a target format, and  
the target format corresponds to the target system, **and**  
**updating the target inventory location record using the target**  
**inventory location information.**

10. (Previously Presented) The non-transitory computer-readable storage medium of Claim 9, further comprising:  
using the target inventory location information in the target format to  
create the target inventory location record in the target system if the target  
inventory location record does not exist.

11. (Previously Presented) The non-transitory computer-readable storage medium of Claim 9, further comprising:  
extracting inventory location information in a second source format that is  
associated with a second source system that is distinct from the first source system, wherein  
the second source system is one of the plurality of source systems;  
converting the inventory location information in the second source format into  
inventory location information that is in the intermediate format;  
converting the inventory location information in the intermediate format into  
inventory location information in the target format; and  
using the inventory location information in the target format to perform at least  
one computer-implemented act from a set of computer-implemented acts  
comprising:  
creating a new inventory location record in the target computerized  
inventory management system; and  
updating an existing inventory location record in the target computerized  
inventory management system.
12. (Presently Presented) The non-transitory computer-readable storage medium of Claim 9, wherein the intermediate format comprises a list of inventory locations class with a hierarchy of data elements.
13. (Previously Presented) The non-transitory computer-readable storage medium of Claim 12, wherein the hierarchy of data elements comprises a plurality of inventory location elements comprising additional elements.
14. (Previously Presented) The non-transitory computer-readable storage medium of Claim 13, wherein each of the plurality of inventory location elements comprises an identifier for identifying the inventory location element.

15. (Previously Presented) The non-transitory computer-readable storage medium of Claim 13, wherein each of the plurality of inventory location elements comprises a base data element for defining:

- a location description;
- a location name; and
- a location type code.

16. (Previously Presented) The non-transitory computer-readable storage medium of Claim 13, wherein each of the plurality of inventory location elements comprises a list of addresses element for defining a plurality of address elements from a party class.

17. (Previously Presented) The non-transitory computer-readable storage medium of Claim 13, wherein each of the plurality of inventory location elements comprises a list of related business units elements for defining a plurality of business units associated with the inventory.

18. (Previously Presented) The non-transitory computer-readable storage medium of Claim 13, wherein each of the plurality of inventory location elements comprises a list of related inventory locations for defining a plurality of related inventory locations.

19. (Previously Presented) The non-transitory computer-readable storage medium of Claim 13, wherein each of the plurality of inventory location elements comprises a custom data element for defining customized attributes for the inventory.

20. (Previously Presented) The non-transitory computer-readable storage medium of Claim 16, wherein each of the plurality of address elements comprises:

- an address identifier element;
- an address base data element;
- an address data cleansing data element;
- an address relationship data element; and
- an address custom data element.

21. (Previously Presented) The non-transitory computer-readable storage medium of Claim 20, wherein the address data cleansing data element comprises a disable cleansing flag element.



22. (Previously Presented) The non-transitory computer-readable storage medium of Claim 20, wherein the address relationship data element comprises:

- an address effective end date element;
- an address occupancy type code element;
- an address effective start date element;
- an address type code element; and
- an address list of roles element.

23. (Previously Presented) The non-transitory computer-readable storage medium of Claim 17, wherein each of the plurality of business units associated with the inventory comprises an identifier element.

24. (Previously Presented) The non-transitory computer-readable storage medium of Claim 18, wherein each of the plurality of related inventory locations comprise a related inventory location identifier element and a related inventory location type code element.

25-32. Canceled.

33. **(Currently Amended)** A computer-implemented method comprising:  
synchronizing target inventory location information with source inventory location  
information, wherein

the synchronizing comprises

extracting each of a plurality of source inventory location objects from a  
corresponding one of a plurality of source inventory location  
systems, wherein

the source inventory location objects comprise the source  
inventory location information,

at least one of the plurality of source inventory location objects is  
extracted from a first source system of the plurality of  
source inventory location systems,

at least one of the plurality of source inventory location objects is  
extracted from a second source system of the plurality of  
source inventory location systems,

each of the plurality of source inventory location systems employs  
a corresponding one of a plurality of source formats,  
each of the plurality of source inventory location objects is stored  
in a source format of the source formats employed by the  
corresponding one of the plurality of source inventory  
location systems, and  
the plurality of source systems are ones of a plurality of computer  
systems,  
generating intermediate source inventory location information, wherein  
the intermediate source inventory location information is in an  
intermediate format,  
the generating comprises  
converting the each of the source inventory location objects  
into a corresponding one of the plurality of  
common objects, wherein  
the converting the each of the source inventory  
location objects into the corresponding one  
of the plurality of common objects  
comprises  
determining whether each corresponding  
**intermediate** record exists, wherein  
the each corresponding **intermediate**  
record is associated with the  
each of the source inventory  
location objects,

if the each corresponding **intermediate**  
record exists, accessing each  
corresponding common object out of  
the plurality of common objects,  
wherein  
the each corresponding common  
object is associated with the  
each corresponding  
**intermediate** record, **and**

if the each corresponding **intermediate**  
record does not exists, creating the  
each corresponding **intermediate**  
record and the each corresponding  
common object, and

**mapping the each of a plurality of source inventory**  
**location objects to the each common object,**  
**wherein**

the plurality of common objects comprise the  
intermediate source inventory location  
information, and

**after the converting,** each of the plurality of common objects  
corresponds to a source inventory location object of the  
plurality of source inventory location objects, and  
converting the intermediate source inventory location information into the  
target inventory location information, wherein  
the target inventory location information is in the target format,  
**and**  
**updating at least one target inventory location record using the target**  
**inventory location information.**

34. (Previously Presented) The method of claim 33, further comprising determining whether a target inventory location record exists at a target system, wherein  
the target system is another of the plurality of computer systems,  
the target inventory location record is in the target format; and  
if the target inventory location record exists at the target system, updating the target inventory location record with the target inventory location information, wherein  
the updating is performed by an integration server, and  
the updating comprises  
causing the integration server to push the target inventory location information to the target system, and  
if the target inventory location record does not exist at the target system,  
creating the target inventory location record at the target system, and  
storing the target inventory location information in the target inventory location record.
35. (Previously Presented) The method of Claim 1, wherein  
the synchronizing is performed using an integration server,  
the synchronizing is performed in response to a trigger received by the integration server, and  
the trigger indicates that at least one of the plurality of source systems has indicated that the synchronizing should be performed.
36. (Previously Presented) The method of Claim 1, wherein the converting comprises:  
generating updated target inventory location information by updating the target inventory location record using the target inventory location information, wherein  
the synchronizing is performed using an integration server, and  
the updating comprises  
causing the integration server to push the target inventory location information to the target system.

37. (Previously Presented) The method of Claim 2, further comprising:  
in response to the creation of the target inventory location record in the target  
system, transmitting an update message to update the record associated  
with the source inventory location information.
38. (Previously Presented) The method of claim 37, further comprising:  
in response to receiving the update message, updating the record that is associated  
with the source inventory location information to indicate the target  
inventory location record.